

1. A gas cooled dynamoelectric machine, comprising:
a rotor having a body portion, said rotor having axially extending coils and end turns defining a plurality of endwindings extending axially beyond at least one end of said body portion; and

2. The dynamoelectric machine of claim 1, wherein said downstream wall has a re-entrant contour to enhance rotating cavity cooling flow.

4. The dynamoelectric machine of claim 1, wherein said upstream wall is generally planar.

6. The dynamoelectric machine of claim 5, wherein said downstream wall is defined as a generally part circular concave curve.

12. The dynamoelectric machine of claim 9, wherein said upstream wall of each said spaceblock is generally planar.

13. The dynamoelectric machine of claim 1, wherein said at least one spaceblock is comprised of a generally rectangular main body portion and a re-entrant portion, said main body portion defining said upstream wall and portions of said side walls, and said re-entrant portion defining other portions of said side walls, and said downstream wall.

14. The dynamoelectric machine of claim 13, wherein said downstream wall is defined as a generally part circular concave curve.

15. The dynamoelectric machine of claim 13, wherein said upstream wall is generally planar.

16. The dynamoelectric machine of claim 13, wherein said re-entrant portion is integrally formed with said main body portion.

002221 64221460